



FIG. 2



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determining at least one queue parameter for a process running on a system

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124-

configuring one or more queues on a storage device in accordance with the at least one queue parameter, wherein the one or more queues temporarily store queue objects

specifying a next read address indicative of the memory location within the storage device from which the next queue object requested from the queue is to be read from

specifying a starting address for the queue

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specifying a next write address indicative of the memory location within the storage device to which the next queue object provided to the queue is to be written to

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configuring the queue in accordance with a queue depth parameter

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providing a queue status flag, which is indicative of the operational condition of the queue, on a flag bus that connects a host processor and one or more slave processors

134~

configuring the queue in accordance with a queue entry size parameter

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